

AMENDMENTS TO THE CLAIMS

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This listing of claims will replace all prior versions, and listings, of claims in the application. Where claims have been amended and/or canceled, such amendments and/or cancellations are done without prejudice and/or waiver and/or disclaimer to the claimed and/or disclosed subject matter, and the applicant and/or assignee reserves the right to claim this subject matter and/or other disclosed subject matter in a continuing application.

1. (Currently amended) A flat media cutting device comprising:
a planar base having a normal vector in a first direction;
two supports fixed to the base;
a clamp extending in a second direction perpendicular to the first direction between the two supports, each end of the clamp connected to one support, wherein at least one support is capable of preventing prevents movement of the clamp in the second direction and a direction opposite to the second direction and the supports are capable of allowing allow movement of the clamp in the first direction and a direction opposite to the first direction;
a slider mounted in a slidable manner on the clamp, the slider comprising a cutting tool;
a linear actuator parallel to the clamp, the linear actuator connected to the slider; and
a motor connected to the linear actuator[;], wherein when the motor drives the linear actuator, the slider is driven along the clamp and the cutting tool cuts media held to the base by the clamp.

2. (Withdrawn) The flat media cutting device of claim 1 wherein the linear actuator is a threaded rod, and the slider further comprises a slider body and a threaded surface connected to the slider body and meshing with the threaded rod.

3. (Withdrawn) The flat media cutting device of claim 2 wherein the threaded rod is rotatably connected to the clamp at one end, and connected to the motor at the other end by a transmission that allows the threaded rod to move in the first direction and opposite with the clamp.

4. (Withdrawn) The flat media cutting device of claim 2 wherein the threaded rod is rotatably connected to each support at each end and prevented from moving in the first

direction and opposite, and threaded surface of the slider is connected to the slider by a pinned connection allowing the slider body to move in the first direction and opposite.

5. (Currently amended) The flat media cutting device of claim 1 wherein the linear actuator is a belt, and the slider is fixed to the belt by a pinned connection allowing the slider ~~[[body]]~~ to move in the first direction and the direction opposite to the first direction.

6. (Original) The flat media cutting device of claim 1 further comprising a transmission connecting the motor to the linear actuator.

7. (Withdrawn) The flat media cutting device of claim 6 wherein the transmission comprises a gear connected to the linear actuator and a meshing gear connected to the motor.

8. (Original) The flat media cutting device of claim 6 wherein the transmission comprises a friction drive.

9. (Currently amended) The flat media cutting device of claim 8 wherein the friction drive ~~[[is]]~~ comprises a belt or a flexible connector.

10. (Currently amended) The flat media cutting device of claim 1 further comprising a clamp actuator connected to one end of the clamp or the corresponding support ~~[[for]]~~ capable of moving the clamp in the first direction and the direction opposite to the first direction, the clamp actuator comprising a handle.

11. (Currently amended) The flat media cutting device of claim 1 further comprising a switch to connect ~~connecting~~ the motor to a power source, wherein the switch controls electrical power flow to the motor.

12. (Currently amended) The flat media cutting device of claim 11 further comprising two detect switches connected to the motor, each installed at one end of ~~[[the]]~~ a range of movement of the slider along the clamp, wherein the slider triggering a detect switch reverses the direction of the motor.

13. (Withdrawn) The flat media cutting device of claim 1 further comprising a mechanical clutch connected between the motor and the linear actuator, the mechanical clutch limiting the torque that the motor provides to the linear actuator.

14-18. (Cancelled)

19. (Currently amended) A flat media cutting device comprising:
a planar base having a normal vector in a first direction;
two supports fixed to the base;
a clamp extending in a second direction perpendicular to the first direction between the two supports, each end of the clamp connected to one support, wherein at least one support is capable of preventing ~~prevents~~ movement of the clamp in the second direction and a direction opposite to the second direction and the supports are capable of allowing ~~allow~~ movement of the clamp in the first direction and a direction opposite to the first direction;
an actuating means for allowing actuation of the clamp in the first direction and the direction opposite to the first direction;
a slider mounted in a slidable manner on the clamp, the slider comprising slider body and a cutting tool;
a driving means for driving the slider in the second direction and opposite;
a motor; and
a transmission means for transmitting power from the motor to the means for driving the slider~~[[;]]~~, wherein when the motor drives the ~~diving~~ driving means by way of the transmission means, the slider is driven along the clamp and the cutting tool cuts media held to the base by the clamp.

20. (Withdrawn)

21. (Currently amended) The flat media cutting device of claim 19 further comprising two detect switches connected to the motor, each installed at one end of ~~[[the]]~~ a range of movement of the slider along the clamp, wherein the slider is capable of triggering a detect switch to reverse ~~reverses~~ the direction of the motor.

22. (New) A method for cutting flat media, comprising:

holding the media between a planar base and a clamp, wherein the base has a normal vector in a first direction and the clamp extends in a second direction perpendicular to the first direction between two supports fixed to the base, wherein at least one support is capable of preventing movement of the clamp in the second direction and a direction opposite to the second direction, and wherein the supports are capable of allowing movement in the first direction and a direction opposite to the first direction;

driving a linear actuator connected to a slider mounted on the clamp;

driving the slider across the clamp, wherein the slider comprises a cutting tool.

23. (New) The method of claim 22, further comprising:

actuating the clamp in the first direction and the direction opposite to the first direction.

24. (New) The method of claim 22, further comprising:

detecting an end of a range of movement of the slider along the clamp.

25. (New) The method of claim 24, further comprising:

reversing a direction of a motor connected to the linear actuator.